

MARCH/FY06

FORT GORDON
Georgia

**Army Defense Environmental
Restoration Program
Installation Action Plan**

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions (RAs).

In an effort to coordinate planning information between the restoration manager, US Army Environmental Center (USAEC), Fort Gordon, the South East Regional Office of the Installation Management Agency (SERO/IMA), and the executing agencies, an IAP was completed. The IAP is used to track requirements, schedules and tentative budgets for all Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this IAP during a planning workshop held on 28 March 2005:

Company/Installation/Branch

ARCADIS

Engineering & Environment, Inc. for Fort Gordon

Engineering & Environment, Inc for USAEC

Fort Gordon

Savannah District US Army Corps of Engineers (USACE)

SERO/IMA

USAEC

AEDB-R	Army Environmental Database-Restoration
AIT	Advanced Individual Training
AOC	Area of Concern
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMI	Corrective Measures Implementation
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operations)
CMS	Corrective Measures Study
CO	Consent Order
CS	Confirmation Sampling
DERP	Defense Environmental Restoration Program
DES	Design
DD	Decision Document
DOE	Department of Energy
DRMO	Defense Reutilization & Marketing Office
FS	Feasibility Study
FTGD	Fort Gordon (as designated in AEDB-R)
FY	Fiscal Year
GA EPD	Georgia Environmental Protection Division
Gal/d	gallons per day
GFPR	Guaranteed Fixed Price Remediation
GSA	Government Services Administration
IAP	Installation Action Plan
ICM	Interim Corrective Measure
IDSR	Interim Data Summary Report
IM	Interim Measure
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-Term Management
MCL	Maximum Contaminant Level
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
OMA	Operations and Maintenance Account
OU	Operable Unit
PA	Preliminary Assessment
PCB	polychlorinated biphenyl
POL	Petroleum, Oil & Lubricants
PRG	Preliminary Remediation Goals
RA	Remedial Action
RAB	Restoration Advisory Board
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operation)
RC	Response Complete

RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RI/FS	Remedial Investigation / Feasibility Study
RIP	Remedy in place
RMIS	Restoration Management Information System
RRSE	Relative Risk Site Evaluation
SC	Signal Corps
SERO IMA	Southeast Regional Office of the Installation Management Agency
SI	Site Inspection
SVOCs	Semi Volatile Organic Compounds
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
TCE	trichloroethylene (solvent)
TRADOC	Training and Doctrine Command
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Center
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
WWTP	Wastewater Treatment Plant

Comprehensive Environmental Response, Compensation and Liability (CERCLA) and Resource Conservation and Recovery Act (RCRA) Acronym Conversions

CERCLA

RCRA

Preliminary Assessment (PA)	= RCRA Facility Assessment (RFA)
Site Inspection (SI)	= Confirmation Sampling (CS)
Remedial Investigation/ Feasibility Study (RI/FS)	= RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)
Remedial Design (RD)	= Design (DES)
Remedial Action (Construction) (RA(C))	= Corrective Measures Implementation (Construction) (CMI(C))
Remedial Action (Operation) (RA(O))	= Corrective Measures Implementation (Operation) (CMI(O))
Long-Term Management (LTM)	= Long-term Management (LTM)
Interim Remedial Action (IRA)	= Interim Measure (IM)

Installation Locale: Fort Gordon is situated in east-central Georgia approximately 9 miles southwest of Augusta, Georgia. The installation occupies slightly more than 56,000 contiguous acres in Jefferson, McDuffie, Columbia and Richmond Counties. The majority of Fort Gordon is in Richmond County.

Installation Mission: Fort Gordon is an active US Army facility under the jurisdiction of the SERO/IMA, Fort Gordon, Environmental & Natural Resources Management Office and is located southwest of Augusta, Georgia. The installation's primary mission as the location of the US Army Signal Center is to train military personnel in the installation, operation, and maintenance of communications and electronic equipment.

The facility is roughly oval in shape with the primary axis running southwest to northeast. Land use in the immediate area is predominantly rural/agricultural except to the northeast, towards Augusta, where several commercial shops and retail stores are located.

Lead Organization: SERO/IMA

Lead Executing Agency for Fort Gordon

Investigation Phase, Remedial Design (RD)/Action Phase Executing Agency: ARCADIS, Government Services Administration (GSA) contractor for the USAEC through the Army Contracting Agency at Aberdeen Proving Ground, MD

Regulatory Participation

Federal: US Environmental Protection Agency (USEPA), Region IV

State: Georgia Department of Natural Resources, Environmental Protection Division (GA EPD)

National Priorities List (NPL) Status: Non-NPL with Resource Conservation and Recovery Act (RCRA) Part B Permit 28 September 2000 – 28 September 2010

Installation Restoration Advisory Board (RAB)/Technical Review

Committee/Technical Assistance for Public Participation (TAPP) Status:

There is no interest in a RAB at Fort Gordon at this time. Public Involvement Plans of on-going restoration activities are sent to the Public Affairs Office for viewing by the general public.

Installation Program Summary

IRP

Primary Contaminants of Concern: Metals, Volatile and Semi-Volatile Organics (VOCs and SVOCs), Explosives

Affected Media of Concern: Soil, Sediment, Sludge, Surface Water, and Groundwater

Estimated Date for Remedy in Place (RIP)/Response Complete (RC): 2007/2017

Funding to date (up to FY05): \$20,546,800

Current year funding (FY06): \$4,079,000

Cost-to-Complete (FY07+): \$4,663,000

Installation Historic Activity

Fort Gordon was originally activated as Camp Gordon on December 2, 1941. The installation was named for Confederate Lieutenant General John Brown Gordon and was used for the training of infantry and armor units in World War II. The installation also was used as a Disciplinary Barracks and as a prisoner of war camp during World War II. Following the war, Camp Gordon served primarily as a US Army Personnel Center responsible for the discharge of over 85,000 officers and enlisted men.

In 1948, the Signal Corps Training Center was established at the post. In 1950, the Army's only Criminal Investigations Laboratory in the continental United States was constructed here. In 1952, a Rehabilitation Center and a US Disciplinary Barracks were formed for the retraining and confinement of military offenders. The Basic Replacement Training Center and Advanced Leader's School were formed in 1953. These facilities ceased operations in 1955.

On March 21, 1956, Camp Gordon was re-designated Fort Gordon and became a permanent Army installation. The US Army Training Center (Basic) was activated at Fort Gordon in 1957 and 1958 to provide basic training for soldiers.

Combat operations at Fort Gordon resumed in 1961 when the US Army Training Center Infantry was activated. Basic training and advanced infantry training (AIT) brigades were joined by additional Military Police and AIT brigades in 1962. The basic and AIT brigades were deactivated in 1970.

In June 1962, all activities of the Signal Corps Training Center were reorganized under the US Army Southeast Signal Training School. The 1st Signal Training Brigade was activated in July 1, 1975. Also in 1975, Basic Combat Training activities returned to Fort Gordon. The US Army Signal Corps and Fort Gordon were reorganized in 1978, resulting in the consolidation of all post directorates and staff activities and the Signal School's staff directorates and activities under a single US Army Signal Center directorate staff, including the addition of Directorate of Reserve Components.

IRP

- Prior Year Progress: Fort Gordon was the pilot for Guaranteed Fixed Price Remediation (GFPR) contracting mechanism (Sept 2001). Contract between USAEC and ARCADIS G&M is currently managed through the US Army Contracting Agency, Aberdeen Proving Ground Directorate of Contracting. At Operable Units (OUs) I, II, III and IV - RCRA Facility Investigation (RFI) fieldwork is ongoing. Eleven Solid Waste Management Units (SWMUs) are designated No Further Action (NFA) per the GA EPD (RC) (FY05).
- Future Plan of Action: Continuation of GFPR contract with ARCADIS G&M. Continuation of FTGD-009 Interim Measure (IM) and initiation of FTGD-036 IM. Continue OUs I, II, III and IV RFI fieldwork. NFA at eight SWMUs. Anticipating RCRA Permit modification during FY07 to change phase status of six sites.

FORT GORDON

Installation Restoration Program

Total Army Environmental Database-Restoration (AEDB-R) Sites/RC Sites: 42/35

Different Site Types

- 2 Burn Areas
- 1 Contaminated Building
- 3 Disposal Pit/Dry Wells
- 1 Leach Field
- 2 Incinerators
- 8 Landfills
- 4 Maintenance Yards
- 1 Contaminated Groundwater
- 1 Pesticide Shop
- 3 Storage Areas
- 3 Spill Site Areas
- 1 Underground Storage Tank (UST)
- 1 Waste Treatment Plant
- 1 Explosive Ordnance Disposal Area
- 1 Unexploded Munitions/Ordnance
- 8 Surface Disposal Areas
- 1 Other

Most Widespread Contaminants of Concern:

Metals, VOCs, SVOCs, Explosives

Media of Concern: Soil, Sediment, Sludge, Surface Water, and Groundwater

Completed Removal/Interim Corrective Measure (ICM)/Corrective Measures Implementation (CMI):

- UST Removal (1990)
- UST Removal (1992)
- FTGD-036 - IM (1997)
- FTGD-014 – IM (2003)
- FTGD-020A – IM (2003)
- FTGD-031 – IM (2003)
- FTGD-035 – IM (2004)

Total IRP Funding

Prior years (up to FY05):	\$ 20,546,800
Current year funding (FY06):..	\$ 4,079,000
Future Requirements (FY07+):\$	4,663,000
Total:	\$ 29,288,800

Duration of IRP

- Year of IRP Inception: 1982
- Year of IRP RIP/RC: 2007/2017
- Year of IRP Completion including Long-term Management (LTM): Sept 2017

IRP Contamination Assessment Overview

A variety of wastes are generated at Fort Gordon, including waste oil; solvents; kerosene; antifreeze; silver nitrate; lithium, mercury, and nickel-cadmium batteries; waste acid; lead-based paint; waste paint and paint sludge; polychlorinated biphenyls (PCBs) in transformer oil; trichloroethane; trichloroethylene (TCE); plastics; chromic acid; zinc and manganese phosphate; pathological wastes; asbestos; pesticides and herbicides; sanitary wastes and construction debris; sanitary sludge; radiological wastes; lead; and ammunition propellant.

Prior to 1970, contaminated pathological and infectious wastes were disposed of in the landfills on the installation. Human limbs were incinerated in the laundry boiler. After construction of the hospital in 1970, all infectious wastes were disposed of by incineration in the hospital incinerator. Now all pathological wastes are disposed of by a contract through the Dwight D. Eisenhower Army Medical Center.

Prior to 1952, four incinerators were used to burn refuse. Unknown quantities of ash from these operations were spread on the ground. No data exist to indicate migration of contaminants from these ash piles.

All industrial waste waters generated at Fort Gordon are currently discharged to the sanitary sewer systems and are treated at the Installation Waste Water Treatment Plant (WWTP). The predominant source of industrial wastewater was from the laundry, which generated approximately 79,250 gallons per day (gal/d), five days per week. The laundry was permanently closed 24 October 2000. Current major sources of industrial wastewater are all vehicle wash racks. The average daily industrial wastewater contribution to the WWTP influent is estimated to be less than 105,670 gal/d, which is less than 10% of the average daily influent.

Until August 1991, approximately 20 gallons per week of waste photographic developing solution containing ammonium dichromate were discharged from the printing plant to a storm drain that discharged to an intermittent stream. Other industrial wastewaters were also discharged to the storm sewer system and ultimately to surface water. These waste streams included wastewater from vehicle wash racks and steam condensate from the laundry steam generating plant.

There are six closed sanitary landfills located on Fort Gordon. The most recent, Gibson Road Landfill closed in December 1996. A portion of the landfill designated for construction debris is still active. The contents of the older closed landfills are unknown, but are believed to contain sanitary refuse and construction debris. The landfills' typical operation activities included the trench and area methods of land filling. In the trench method, soil is excavated out of a trench, the wastes are compacted into the trench, and the excavated soil is used to cover the waste.

In the area method, the waste is spread and compacted on the existing ground surface and cover material is spread and compacted over it. The common depths of trenches were usually 15 feet below land surface.

IRP Contamination Assessment

The Installation Assessment was completed in July 1982. An evaluation of SWMUs was conducted in June 1987 by the US Army Environmental Hygiene Agency. This evaluation identified thirty-six (36) SWMUs. It was recommended by the US Army Environmental Hygiene Agency that a RCRA Facility Assessment (RFA) be conducted for 18 of the 36 SWMUs. These sites were identified as FTGD-001B, 001G, 001H, 006, 009, 010, 011, 019, 020, 021, 022, 025, 026, 027, 028, 031, 032, and 036.

The RFA was conducted during February - June 1989. Sites investigated during this assessment were FTGD-001G, 006, 009, 010, 011, 019, 020, 020A, 021, 022, 025, 026, 027, 028, 031, 032 and 036. Sites FTGD-001B and 001H, previously identified during the evaluation of SWMUs were not investigated during the RFA for unknown reasons. Site 020A was added to the RFA for investigation due to probability of contamination. FTGD-012H (previously FTGD-001G) was investigated under a separate individual project. The resulting seventeen (17) sites investigated during the RFA are included in the list of SWMUs appearing in the expired RCRA Part B Permit, Appendix A.

As a condition of RCRA Part B Permit #HW-081(S)-2, Section III.C.1, the installation is required to conduct confirmatory sampling or (Section III.D.1) a RFI of the SWMUs listed at Appendix A of the permit and any other SWMUs identified subsequent to the RFA. At this time, 15 additional SWMUs have been added to the IRP since the original installation RFA requiring RFI activities. A Phase I RFI (FTGD-006, 009, 010, 011, 019, 020, 020A, 021, 022, 024, 025, 026, 027, 028, 031, 032, 032A, 032B, 036, 037, 038, 039) was completed in October 1996. Sites FTGD-019, 022, and 039 were deleted from Phase I RFI as they are being investigated under separate individual projects.

In December 1995, Fort Gordon and GA EPD met to discuss the division of SWMUs into OUs. Fort Gordon and GA EPD agreed to split the twenty-two SWMUs into OUs based on the function performed at these SWMUs. Sites FTGD-022 and 037 were also determined by the GA EPD to require NFA.

The following sites have been identified for investigation during the Phase II RFI: FTGD-006, 006A, 009, 010, 020, 020A, and 031 as OU I, Sites 024, 025, 026, 027, and 028 as OU II, Sites 011, 024A, 027A, 032, 032A, and 032B as OU III, Sites 021, 036, and 038 as OU IV. Sites FTGD-006A, 024A, and 027A were added due to contamination upgradient to their respective sites identified during the Phase I RFI.

The following sites have been identified for investigation separately under individual projects: 014, 019, 035, and 039.

A RFA was conducted on four former motor pool sites and have been listed and approved by the USAEC during the FY00 Fall AEDB-R data call to be incorporated into the IRP. These sites are categorized as OU V.

IRP Contamination Assessment

On September 28, 2000 Fort Gordon received from the GA EPD a new RCRA Part B Permit. An additional twelve sites have been incorporated into Fort Gordon's RCRA Part B Permit (FTGD-006A, 014, 024, 024A, 027A, 035, 038, 039, 040, 041, 042, 043). RFIs at eight of the incorporated sites (FTGD-006A, 014, 024, 024A, 027A, 035, 038, 039) were initiated during the Phase II RFI and continue at this time. FTGD-012H has been removed from the RCRA Part B Permit by the GA EPD Hazardous Waste Management Branch because this site is handled by the UST Management Branch of GA EPD, however it is RC.

During Fiscal Year 2001 Training and Doctrine Command (TRADOC) selected the US Army Signal Center and Fort Gordon to undergo a pilot process for the GFPR contract mechanism. This pilot is to determine the benefits of privatizing and insuring the IRP cleanup efforts at a Department of Defense active installation. To fully support this effort, Headquarters TRADOC instructed Fort Gordon to submit all data, maps, installation master plans, utilities maps, and all other IRP documents to AIMTech, a Department of Energy contractor. AIMTech conducted site visits and interviews at Fort Gordon to prepare their cost proposal. Headquarters TRADOC also conducted a cost proposal for completion of Fort Gordon's IRP. Headquarters TRADOC utilized a team of government personnel to conduct the cost proposal. In September 2000, this proposal was presented as an Independent Government Cost Estimate. A Memorandum of Understanding was signed 16 April 2001 between TRADOC and the Department of Energy (DOE). On 25 September 2001, the DOE backed out of the GFPR contract. TRADOC managed to award through the GSA a contract to ARCADIS, Incorporated. All current and future costs with the exception of SWMUs 040-043 and phases proposed in this IAP have been derived from the reported GSA contract award amount between Headquarters TRADOC and ARCADIS.

Description of Major IRP Concerns

Seven (7) new sites have been listed as AOCs by the GA EPD. The GA EPD is requiring a Confirmatory Sampling (CS) phase be conducted at each site in accordance with Condition III.C.1 of Fort Gordon's Hazardous Waste permit No. HW-081 (S)-2. Fort Gordon was required to submit a CS work plan to the GA EPD within 45 days of notification; however this has not occurred due to the inability to secure Operations and Maintenance (OMA) funding to conduct the CS. Once the CS phase is funded and completed, the GA EPD may designate none, some, or all of the AOCs as SWMUs. All seven (7) sites are Environmental Restoration, Army eligible should they be deemed SWMUs. Extension requests have been submitted to and approved by the GA EPD through 28 April 2006 for all seven (7) AOCs. Two of the sites are motor pool in-ground sump areas identified by Fort Gordon to the GAEPD in April 2000. Four (4) of the AOCs are also motor pool in-ground sump areas and were identified by Fort Gordon during the building demolition program. One (1) AOC is the former recreational skeet shooting range identified by the GA EPD in March 2005 during a RCRA inspection. Fort Gordon is still unsure as to when OMA funding will be acquired to conduct the CS at these AOCs. Enforcement action in the form of a Notice of Violation and/or a

IRP Contamination Assessment

Consent Order (CO) may be implemented by the GA EPD should the funding not be acquired and CS work begun before the 26 April 2006 extension suspense.

IRP Cleanup Exit Strategy

There are four (4) sites expected to reach NFA by December 2006. One site (FTGD-009) began groundwater treatment for the TCE contamination in Dec 2005 and is expected to reach RIP in 2007. It is anticipated that a Corrective Action Plan (CAP) will be required at the one (1) remaining site followed by a RA to address the soil and groundwater contamination. This site is also expected to reach RIP in 2007. Additionally, once the CS is conducted at the seven (7) AOCs, additional phases of work may be required depending on the analytical results of the CS.

Previous Studies

1982

- Installation Assessment of Fort Gordon, Georgia, Report No. 315, July 1982. Prepared by ESE.

1984

- Gibson Road Sanitary Landfill, Fort Gordon, Georgia, An Engineering Report, September 1984. Prepared by Baldwin and Cranston Associates, Inc.

1986

- Geohydrologic Study No. 38-26-0904-86, Fort Gordon, Georgia, January 1986. Prepared by US Army Environmental Hygiene Agency.

1987

- Interim Final Report, Hazardous Waste Consultation No. 37-26-1379-89, Evaluation of Solid Waste Management Units (SWMUs), Fort Gordon, Georgia, June 1987. Prepared by US Army Environmental Hygiene Agency.

1989

- Geohydrologic Study No. 38-26-9910-90, RCRA Facility Assessment Sampling Visit, Fort Gordon, Georgia, February, March, and June 1989. Prepared by US Army Environmental Hygiene Agency.
- Land Treatment Feasibility Study No. 32-24-0913-90, Fort Gordon, Georgia, September 1989. Prepared by US Army Environmental Hygiene Agency.
- Environmental Assessment (POL Facility), Fort Gordon, Georgia, July 14, 1989. Prepared by Dames and Moore.

1991

- Environmental Program Review No. 43-21-7240-91, US Army Signal Center and Fort Gordon, Georgia, January 1991. Prepared by US Army Environmental Hygiene Agency.
- US Army Toxic and Hazardous Material Agency Property Report, Fort Gordon, Georgia, January 1991. Prepared by Weston.
- Water Quality Consultation No. 31-62-0142-91, Fort Gordon, Georgia, January 1991. Prepared by US Army Environmental Hygiene Agency.

1992

- USACE Site Inspection Report No. 91-033. Preliminary Site Inspection for Fort Gordon Military Reservation, January 1992. Prepared by Advanced Sciences, Inc.
- Soil and Groundwater Testing at 15 UST Locations at Fort Gordon, Georgia, October 1992. Prepared by Ebasco Environmental.

1996

- Phase I RFI at 22 SWMUs at Fort Gordon, Georgia, October 1996. Prepared by Ecology and Environment, Inc.
- Phase I RFI at FTGD-035 at Fort Gordon, Georgia, September 1996. Prepared by Metcalf and Eddy, Inc.
- Phase I RFI at FTGD-014 at Fort Gordon, Georgia, February 1996. Prepared by Metcalf and Eddy, Inc.

1997

- Interim Remedial Action at SWMU 36 at Fort Gordon, Georgia, August 1997. Prepared by Horne Engineering, Inc.
- Interim Remedial Action at SWMU 36 at Fort Gordon, Georgia, August 1997. Prepared by Horne Engineering, Inc.

1998

- Phase II RFI at Operable Unit I at Fort Gordon, Georgia, December 1998. Prepared by Ecology and Environment, Inc.

1999

- Phase II RFI at Operable Unit II at Fort Gordon, Georgia, February 1999. Prepared by Ecology and Environment, Inc.
- Phase II RFI at Operable Unit III at Fort Gordon, Georgia, May 1999. Prepared by Ecology and Environment.
- RFA at SWMU 039 at Fort Gordon, Georgia, March 1998. Prepared by the Savannah District Corps of Engineers.
- Interim Data Summary Report, Supplemental RFI for Operable Unit I at Fort Gordon, Georgia, March 1999. Prepared by Ecology & Environment.
- Interim Data Summary Report, Supplemental RFI for Operable Unit II at Fort Gordon, Georgia, February 1999. Prepared by Ecology & Environment.
- Interim Data Summary Report, Supplemental RFI for Operable Unit III at Fort Gordon, Georgia, May 1999. Prepared by Ecology & Environment.
- Phase II RFI at FTGD-014 at Fort Gordon, Georgia, April 1999. Prepared by Metcalf & Eddy, Inc.
- Phase II RFI at FTGD-035 at Fort Gordon, Georgia, April 1999. Prepared by Metcalf & Eddy, Inc.
- RFA at SWMUs 040, 041, 042, and 043 (Operable Unit V) at Fort Gordon, Georgia, May 1999. Prepared by the Savannah District Corps of Engineers. This was funded with Fort Gordon OMA funds.

2002

- Risk Assessment Strategy Document April 2002.
- RFI Report SWMU 006 December 2002.
- RFI Report SWMU 010 December 2002.

2003

- RFI Report SWMU 020 January 2003.
- Master laboratory Report 1994 - Present (living document).
- Phase I RFI Report Operable Unit V January 2003.
- Background Soil Data Study.
- TSCA Comp. Report - SWMU 014.
- IM Comp. Report - SWMU 014.
- IM Comp. Report - SWMU 031.
- SWMU 006A Mercury Letter.

2004

- SWMU 006A Supplemental RFI Work Plan
- SWMU 009 RFI Work Plan Revision 1
- SWMU 009 RFI Work Plan Addendum
- SWMU 019 RFI Work Plan Revision 1
- SWMU 019 RFI Work Plan Addendum
- SWMU 020A RFI Work Plan
- SWMU 020A RFI Work Plan Revision 1
- SWMU 021 RFI Work Plan Revision 1
- SWMU 024A RFI Work Plan Revision 1
- SWMU 024A RFI Work Plan Revision 2
- SWMU 027 RFI Work Plan
- SWMU 027 RFI Work Plan Revision 1
- SWMU 027A RFI Work Plan Revision 1
- SWMU 032 RFI Work Plan Revision 1
- SWMU 032B RFI Work Plan Revision 1
- SWMU 038 RFI Work Plan Revision 1
- SWMU 039 RFI Work Plan Revision 1
- SWMU 043 Supplemental RFI Work Plan
- SWMU 006 RFI Report Revision 2
- SWMU 010 RFI Report Revision 1
- SWMU 010 RFI Report Revision 2
- SWMU 011 RFI Report
- SWMU 011 RFI Report Revision 1
- SWMU 020 RFI Report Revision 1
- SWMU 020 RFI Report Revision 2
- SWMU 020A RFI Report
- SWMU 025 RFI Report
- SWMU 031 RFI Report

2004, continued

- SWMU 032 RFI Report
- SWMU 032A RFI Report
- SWMU 032A RFI Report Revision 1
- SWMU 032B RFI Report
- SWMU 040 RFI Report
- SWMU 041 RFI Report
- SWMU 042 RFI Report
- Background Soil Data Assessment Report Addendum 3
- Surface Water & Sediment Background Study Revision 1
- Master Laboratory Report Revision 2
- SWMU 009 Interim Measures Work Plan
- SWMU 035 Interim Measures Completion Report
- SWMU 035 Interim Measures Completion Report Revision 1

2005

- Master Laboratory Report Revision 3
- SWMU 009 UIC Permit Application
- SWMU 009 IM Work Plan Revision 1
- SWMU 009 UIC Permit Application
- SWMU 021 RFI Report
- SWMU 021 RFI Report Revision 1
- SWMU 024 RFI Report
- SWMU 024A RFI Report
- SWMU 028 RFI Report
- SWMU 028 RFI Report Revision 1
- SWMU 035 RFI Report
- SWMU 035 RFI Report Revision 1
- SWMU 036 RFI Report
- SWMU 036 RFI Report Revision 1
- SWMU 036 IM Work Plan
- SWMU 038 RFI Report

2006 (Partial through April 2006)

- SWMU 006A RFI Report
- SWMU 006A RFI Report Revision 1
- SWMU 019 RFI Report
- SWMU 027A RFI Report

FORT GORDON

Installation Restoration Program Site Descriptions

FTGD-001

Ft Gordon GFPR Compilation Site

SITE DESCRIPTION

This site was created to compile all GFPR contracted sites (FTGD-006, 006A, 009, 010, 011, 012H, 014, 019, 020, 020A, 021, 024, 024A, 025, 026, 027, 027A, 028, 031, 032, 032A, 032B, 035, 036, 038, 039) into one site. All listed sites have been re-opened from FY03 closure in AEDB-R with a RC of "OTHER".

CLEANUP STRATEGY

See the individual site descriptions.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
N/A

MEDIA OF CONCERN: N/A

Phases	Start	End
RFA	198902	198906
CMI(C)	200109	201209

RC DATE: 201209

FTGD-009

Building 955 Electroplating Sump

SITE DESCRIPTION

Building 955 was located on 10th Street at Brainard Avenue. At one time, this building was used for chrome plating and parkerizing using zinc and magnesium in the course of small arms repair and reconditioning metal parts. The electroplating sump, which received the waste waters, is located outside the western side of the building foundation, equidistant from either end. A clay tile French drain is reported to have drained the sump, but has not been located. The sump is approximately 4 feet square and 6 feet deep, and covered by a large steel plate that prevents easy access. The electroplating operations were reported to have been discontinued in 1971.

The Phase II RFI fieldwork was completed in FY99 and IDSR submitted to the GA EPD. The IDSR indicates contamination by TCE in soils, surface water and groundwater. Arsenic and chromium (total) have been detected in subsurface soils.

Supplemental RFI activities are ongoing since September 2002 to complete vertical & horizontal delineation of TCE in groundwater at site. The supplemental RFI activities are being performed concurrently with the soil and groundwater IM. An IM Work Plan was submitted to the GA EPD in December 2004 and approved in May 2005. The IM proposed excavating the leach field sump and surrounding impacted soils and using enhanced reductive dechlorination to address groundwater impacts. The leach field sump was excavated in February 2005. The installation of approximately 70 injection wells was initiated in February 2005 and is ongoing. Small scale injections have been performed at select Transect locations in an attempt to optimize the injection regime. Full scale groundwater treatment is expected to begin in mid-2006 and will be accomplished through the injection of an easily degradable carbohydrate solution, which will create an anaerobic and strongly reducing in-situ reactive zone, and transform the TCE into progressively less chlorinated intermediates until they are completely degraded to carbon dioxide and water.

CLEANUP STRATEGY

Once the groundwater impacts have been sufficiently characterized and delineated, a final RFI Report will be submitted to the GA EPD. Once the RFI has been approved by the GA EPD, a CAP will be prepared for FTGD-009 documenting the final remedy for the site as required by the GA EPD. The GA EPD requested that the RFI submittal follow after the completion of the IM.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
Metals, VOCs

MEDIA OF CONCERN: Subsurface soil, Groundwater, Surface Water

Phases	Start	End
RFA.....	198902	198906
CS.....	198902	198906
RFI/CMS	199310	200703
DES	200404	200703
IRA.....	200407	200703
CMI(C)	200407	200703
CMI(O)	200407	201201

RIP DATE: 200703

RC DATE: 201201

FTGD-019

67th Motor Pool Wash Rack Building 21801

SITE DESCRIPTION

SWMU 019 is an active vehicle maintenance area located south of 8th Avenue, between 20th and 21st Streets. The site consists of the 67th Motor Pool washracks, which were originally identified due to an uncontrolled runoff discharging to the northeast into Butler Creek, a surface water supply source for Fort Gordon. The discharge from the washrack was uncontrolled between 1980 and 1986, subsequent to the reconstruction of the washrack area. Improvements to the washracks included increasing the size of the berm surrounding the area and installing an oil/water separator and sump to serve the area. Currently, only the washracks in the northern portion of the motor pool are in operation, and the former practices of uncontrolled discharge have been eliminated.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN: SVOCs, Metals, VOCs

MEDIA OF CONCERN: Soil, Sediment, Groundwater, Surface water

Phases	Start	End
RFA	198902	198906
CS.....	198902	198906
RFI/CMS.....	199310	200609

RC DATE: 200609

The Phase I RFI conducted in 1994 determined low levels of VOCs and SVOCs contamination in the soils, sediments, surface water, and groundwater. The results from the Phase I RFI were submitted to the GA EPD in 1999. Phase II RFI fieldwork was completed in 2001 and was summarized in a RFI report submitted to the GA EPD. The results of the Phase I and II investigations indicated arsenic and lead impacts present in soils and tetrachloroethylene (PCE) impacts present in groundwater.

In 2003 and 2004, supplemental RFI activities were performed to complete the delineation of surface and subsurface soils and groundwater. The results from the groundwater delineation program indicated that the low-level VOC impacts present in groundwater may potentially be attributable to another source area besides SWMU 019. A supplemental investigation was requested by the GA EPD and completed in October 2004, to investigate the potential of another source area. However, results from the additional groundwater investigation did not confirm the presence of a second source area contributing to the low-level PCE impacts at SWMU 019. A final RFI Report requesting NFA was submitted to the GA EPD on 9 February 2006 and is currently under regulatory review.

CLEANUP STRATEGY

A Final RFI report was prepared and submitted to the GA EPD. NFA is anticipated.

FTGD-026 19th Street Landfill

SITE DESCRIPTION

This inactive trench and fill landfill is located east of 19th Street near the Fort Gordon Access Gate No. 2, just south of the installation boundary in the north-central portion of the cantonment area. The landfill covers 25 acres and is well forested and indistinguishable from the surrounding terrain. An intermittent, wet weather drainage feature borders the southeast side of this site. Surface runoff flows from the landfill area and discharges into this drainage feature. The landfill was closed in 1964, reportedly due to shallow groundwater conditions. However, it is unknown when land filling operations began at this site. It is believed that sanitary refuse, industrial waste, and construction debris were deposited in this landfill.

The Phase I RFI was completed in 1995 and submitted to GA EPD. The RFI indicated low levels of metals contamination above background in the soil dispersed across the site.

The Phase II RFI fieldwork was completed in 1999. The IDSR was submitted to the GA EPD. Limited occurrences of arsenic above background were found across the site.

A RFI Work Plan was submitted to the GA EPD in July 2002 to confirm current groundwater conditions. Groundwater sampling was performed in September 2002. A revised RFI Work Plan for OU2 was approved by the GA EPD in August 2003. In September 2003 and December 2003 additional surface soil sampling was performed to further characterize and delineate arsenic in surface soils at SWMU 026. Surface soil impacts were sufficiently characterized by the proposed RFI activities.

In 2004, Fort Gordon entered into a CO with the GA EPD to address reported violations of the Georgia Water Quality Control Act. The reported violations were observed during a 2001 USEPA compliance inspection when visible discolored groundwater discharges were observed at several landfills, including SWMU 026. As a result of the CO, semi-annual surface water sampling was initiated at SWMU 026 in early 2004. Results of the semi-annual sampling will be incorporated into the final RFI.

CLEANUP STRATEGY

A final RFI report requesting NFA will be submitted to the GA EPD in FY06. If required by the GA EPD, a CAP will be submitted following approval of the RFI.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
Metals

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	198902	198906
CS	198902	198906
RFI/CMS	199310	200609
CMI(C)	200407	200612

RC DATE: 200703

FTGD-027 3rd Avenue Landfill

SITE DESCRIPTION

The 3rd Avenue Landfill is a closed trench and fill type landfill, located south of 3rd Avenue and east of the 25th Street Landfill. FTGD-025, another trench and fill landfill is located immediately west of FTGD-027. The two landfills are separated by an unnamed intermittent creek flowing to Mirror Lake. The site covers approximately 65 wooded acres and slopes to the southwest. The area used for actual fill operations is approximately 25 percent of the site. It is assumed that sanitary refuse and construction debris were deposited in the landfill until its closure in 1964.

The Phase II RFI fieldwork was completed in FY99 and IDSR submitted to the GA EPD. The IDSR indicates contamination by metals and TCE in surface water and groundwater. SVOCs have been found in sediments. It was determined that the sediment contamination is typical of urban areas and therefore NFA is required.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
VOCs, SVOCs, Metals

MEDIA OF CONCERN:
Groundwater, Surface water,
Sediments

Phases	Start	End
RFA	198902	198906
CS.....	198902	198906
RFI/CMS	199310	200609
DES	200407	200612
CMI(C)	200407	200712
CMI(O).....	200712	201712

RIP DATE: 200712

RC DATE: 201712

In August 2002, a RFI Work Plan proposing to further delineate low concentration TCE impacts in surface water and groundwater impacts was prepared. In September 2002, prior to the approval of the work plan by the GA EPD, select groundwater and surface water samples were collected and analyzed at SWMU 027. In August 2003, the GA EPD approved a revised version of the August 2002 RFI Work Plan. In September 2003, four additional monitor wells were installed to delineate groundwater impacts and additional groundwater and surface water sampling was performed.

A supplemental RFI Work Plan was submitted in February 2004 and approved by the GA EPD in June 2004. Surface water and groundwater characterization/delineation activities were completed in June 2004. In August 2004, the first semi-annual groundwater sampling events was performed at SWMU 027 to support the occurrence of natural attenuation mechanisms at SWMU 027. A second Supplemental RFI Work Plan for the delineation of arsenic in subsurface soils was submitted to the GA EPD and approved in September 2004. Soil delineation activities were completed in October 2004.

In 2004, Fort Gordon entered into a CO with the GA EPD to address reported violations of the Georgia Water Quality Control Act. The reported violations were observed during a 2001 USEPA compliance inspection when visible discolored groundwater discharges

FTGD-027

3rd Avenue Landfill, *continued*

were observed at several landfills, including SWMU 027. As a result of the CO, semi-annual surface water sampling was initiated at SWMU 027 in early 2004. Results of the semi-annual sampling will be incorporated into the final RFI.

To confirm and support the occurrence of natural attenuation mechanisms at SWMU 027, a baseline groundwater sampling event was performed in August 2004. Subsequent semi annual groundwater sampling events were performed in February 2005, August 2005, February 2006, and a planned sampling event is scheduled in August 2006.

CLEANUP STRATEGY

A final RFI report will be submitted to the GA EPD in early 2006. Once the RFI is approved a CAP recommending monitored natural attenuation of the low concentration Chlorinated Volatile Organic Compound plume will be submitted to the GA EPD. It is anticipated that RIP will be achieved in FY07. It is further anticipated that monitored natural attenuation sampling will occur on an annual basis for ten years.

FTGD-027A

Site Upgradient Of SWMUs 025/027

SITE DESCRIPTION

The site is located at 25th Street to Rice Road and 3rd Avenue to Brainard Avenue. The area is approximately 1500 feet by 3800 feet. This site was identified based on data from FTGD-027. The upgradient background well (MW027-1) for FTGD-027 contains metals contamination. Former activities which may have contributed to the metals contamination found in the well include regimental size organization maintenance areas with motor pools. These contained underground storage fuel tanks, grease/oil racks, wash pads, petroleum, oil and lubricants (POL) storage, and maintenance shops. These areas are now occupied by an Installation Heating Plant, Auto Craft Shop, Class VI store, and rebuilt and upgraded motor pools.

Phase I RFI identified the former motor pool maintenance area as the potential source of contamination. The data indicated low levels of metals contamination in the soils slightly above background levels. Groundwater is contaminated with metals and TCE above MCLs.

The initial phase of the RFI fieldwork was completed in conjunction with phase II RFI fieldwork for FTGD-027. The data from the FTGD-027A was included in the IDSR for OU III.

In September 2003, a RFI Work Plan was submitted to the GA EPD proposing additional field activities to further delineate previously detected constituents in subsurface soils and groundwater. The supplemental field activities, which included further delineation of metals impact in soils and to confirm the presence of VOCs in groundwater, were performed in September 2003. In March 2004, the RFI Work Plan was revised to include the resampling of all SWMU 027A monitor wells for VOCs. These activities were performed in March and April 2004. In September 2004, a RFI Work Plan Addendum was submitted to the GA EPD proposing additional delineation of arsenic in subsurface soils. The additional subsurface soil sampling activities were performed in October 2004. Based on the results of the 2003 and 2004 investigations, it was determined that VOCs are not present in groundwater and soil impacts were sufficiently delineated. A final RFI report requesting NFA is currently under review by Fort Gordon and will be submitted in April 2006 to the GA EPD.

CLEANUP STRATEGY

A final RFI report is being prepared requesting NFA.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
VOCs, Metals

MEDIA OF CONCERN: Soil,
Groundwater

Phases	Start	End
RFA.....	199502	199510
CS.....	199502	199510
RFI/CMS	199605	200609

RC DATE: 200609

FTGD-036

Former Small Arms Burning Ground

SITE DESCRIPTION

This area is located in the northern portion of the small arms impact area between Range 1 and Range 2 and covers approximately one acre. Burning is reported to have taken place in a low area using an abandoned coal fired furnace. After the ammunition had been burned, the spent brass was dumped on the ground around the furnace. This process reportedly took place in this area from the 1950s until 1963.

A Phase I RFI was conducted in 1994/1995 and submitted in November 1995 to the GA EPD. The results of the RFI indicated soils contamination by metals and explosives and also found small arms ammunition at the site. In 1997, an IM was conducted at this site. Two hundred thirteen tons of hazardous waste soil and nine hundred twenty five tons of non-hazardous soil was removed and shipped to an appropriate landfill. Soil was removed between one and ten feet of depth below surface across various portions of the site. Clean backfill was placed to original grade and re-vegetated. Groundwater monitoring was not conducted.

In December 1999, a Field Sampling Plan to perform supplemental RFI activities at SWMU 036 was submitted to the GA EPD. Supplemental RFI activities were proposed to determine whether any significant soil impacts remained following the 1997 IM and to determine if groundwater had been impacted by historic munitions burning activities. In March 2001 a total of five groundwater monitor wells were installed and select surface soil, subsurface soil and groundwater samples were collected. A final RFI Report for SWMU 036 requesting an NFA determination was submitted to the GA EPD in January 2005.

A final RFI report requesting NFA was submitted to the GA EPD in January 2005 (revised June 2005). Approval of the RFI Report was received on 27 July 2005, but the request for a NFA determination was declined pending the removal of surface debris potentially associated with the historic ammunition burning activities performed at SWMU 036.

An IM Work Plan was prepared to address the observed surface debris and was submitted to the GA EPD on 4 October 2005. This Work Plan was approved by the GA EPD on 7 November 2005. The SWMU 036 IM field event is currently being coordinated with the selected IM contractor and Fort Gordon Range Control.

STATUS

REGULATORY DRIVER: RCRA C

RRSE: High

CONTAMINANTS OF CONCERN:
Metals, VOCs

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	198902	198906
CS.....	198902	198906
IRA.....	199611	199706
RFI/CMS.....	199310	200507
CMI(C)	200602	200609

RC DATE: 200609

Former Small Arms Burning Ground, *continued***CLEANUP STRATEGY**

The CMI(C) is anticipated to be conducted in May 2006. Once complete, a CMI(C) completion report will be submitted to the GA EPD requesting NFA.

IRP NFA Sites Summary

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
FTGD-004	Bldg 985 DRMO Sump	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199201
FTGD-006	DRMO Drum Storage Area	The revised final RFI report was submitted to GA EPD in August 2003, and received a tentative NFA on 13 July 2004, and is pending final RCRA Permit Modification. This site is RC and the five-year warranty deed has been issued by ARCADIS to Fort Gordon.	200407
FTGD-006A	Site Upgradient To SWMU 006	A Final RFI report was prepared and submitted to the GA EPD. NFA from GA EPD 2 May 2006	200605
FTGD-008	Bldg 964 Chlorinated Solvent Evap Area	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199201
FTGD-010	Building 952 Old Battery Shop	The revised final RFI report was submitted to GA EPD in August 2003, and received a tentative NFA on 30 June 2004, and is pending final RCRA Permit Modification. This site is RC and the five-year warranty deed has been issued by ARCADIS to Fort Gordon.	200406
FTGD-011	Incinerator Ash, Bldg 310	The revised final RFI report was submitted to GA EPD in August 2003, and received a tentative NFA on 6 April 2004, and is pending final RCRA Permit Modification. This site is RC and the five-year warranty deed has been issued by ARCADIS to Fort Gordon.	200404
FTGD-012H	UST(4) At Bldg 18806, Recycling Center	Per GA EPD, NFA at this site 28 March 2001.	200103
FTGD-013	Bldg 332 Labs	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199201
FTGD-014	Building 15904, Past PCB Storage	The IM Completion report was submitted to GA EPD on 30 May 2003, and received a tentative NFA on 12 August 2003, and is pending final RCRA Permit Modification. This site is RC and the five-year warranty deed has been issued by ARCADIS to Fort Gordon.	200308

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
FTGD-017	Building 961/962 Solvent Evap Disp Area	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199307
FTGD-020	Building 961 Photo Wastewater Discharge	NFA was designated for this site by GA EPD on 19 November 2004.	200411
FTGD-020A	950's & 960's Block Stormwater Sewers	NFA was designated for this site by GA EPD on 20 December 2004.	200412
FTGD-021	Western Small Arms Burning Ground	NFA was designated for this site by GA EPD on 6 July 05	200507
FTGD-022	Artillery Impact Area/Demolition Ground	No further remedial action planned (NFRAP) status received from GA EPD.	199703
FTGD-023	Bldg 964 Paint Waste/Thinner Discharge	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199307
FTGD-024	17 th Street Landfill	NFA granted from GA EPD 2 May 2006. Ongoing long-term monitoring and landfill cap integrity inspections are expected to be continued under Solid Waste Handling Permit No. 121-010D(SL).	200605
FTGD-024A	Site Upgradient of SWMU 024	NFA was designated for this site by GA EPD on 28 Nov 05.	200511
FTGD-025	25th Street Landfill	NFA was designated for this site by GA EPD on 14 October 2004.	200410
FTGD-028	8th Avenue Landfill	NFA was designated for this site by GA EPD on 28 July 05	200507
FTGD-029	Gibson Rd New Landfill (W Of Sawmill Rd)	The site was grandfathered into the Restoration Management Information System (RMIS) program, however because it is an active site, no further investigation will occur under the IRP. This status may change due to the closing of the landfill. No further response is planned under the restoration program at this time.	199307
FTGD-030	Wastewater Treatment Plant	The site was grandfathered into the RMIS program; however, because it is an active site, no further investigation will occur under the IRP.	199307
FTGD-031	Bldg 984 Photo Waste Pit/Sump (DRMO)	NFA was designated for this site by GA EPD on 15 October 2004.	200410

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
FTGD-032	WWTP Sludge Waste Pile	NFA was designated for this site by GA EPD on 10 November 2004.	200411
FTGD-032A	WWTP Sludge Waste Pile	A final RFI report was submitted on 15 January 2004 to the GA EPD and received a tentative NFA on 7 April 2004, and is pending final RCRA Permit Modification. This site is RC and the five-year warranty deed has been issued by ARCADIS to Fort Gordon.	200404
FTGD-032B	WWTP Sludge Waste Pile	NFA was designated for this site by GA EPD on 20 December 2004.	200412
FTGD-033	Laundry Boiler Building 2202	No evidence of contamination was found during the original assessment and the incinerator and building have been removed, therefore, no further response is planned under the restoration program.	199201
FTGD-034	Bldg 2401, Vehicle Maint Area	No evidence of contamination was found during the original assessment; therefore no further response is planned under the restoration program.	199307
FTGD-035	Bldg 2030 Pesticide Storage and Mixing	NFA was designated for this site by GA EPD on 31 Oct 05.	200510
FTGD-037	Defoliant Testing Area	NFRAP status received from GA EPD.	199510
FTGD-038	Magazine Area (21 Bunkers	NFA was designated for this site by GA EPD on 12 Sept 05	200509
FTGD-039	Gas Chamber	NFA was designated for this site by GA EPD on 8 March 2005.	200503
FTGD-040	Bldg 22305 Motorpool/POL Building Sump	The revised final RFI report was submitted to GA EPD in March 2004, and received a tentative NFA on 4 May 2004, and is pending final RCRA Permit Modification.	200405
FTGD-041	Bldg 21306 Motorpool/POL Building Sump	The revised final RFI report was submitted to GA EPD in March 2004, and received a tentative NFA on 4 May 2004, and is pending final RCRA Permit Modification.	200405
FTGD-042	Bldg 25305 Motorpool/POL Building Sump	The installation received a NFA status from the state on 4 May 2004 and no action is planned under the IRP.	200405
FTGD-043	Bldg 26304 Motorpool/POL Building Sump	NFA was designated for this site by GA EPD on 15 Feb 2005.	200502

Initiation of IRP: July 1982

Past Phase Completion Milestones

1987

- RFA – Installation - June 1987

1990

- RFA – Installation - April 1990

1992

- CS – Installation - January 1992
- RFI Initiation - FTGD-012H - December 1992

1993

- CMI - FTGD-012H - December 1993

1994

- CAP - FTGD-012H - March 1994

1995

- Phase I RFI - FTGD-006 - FTGD-038 - October 1995

1996

- Phase I RFI - FTGD-014 - February 1996
- Phase I RFI - FTGD-035 - September 1996
- Phase II RFI Initiation - FTGD-006, 006A, 009, 010, 020, 020A, 031 - October 1996
- Phase II RFI Initiation - FTGD-024,025,026,027,028 - October 1996

1997

- RFA - Building #22305 POL Sump closed Motor Pool - February 1997
- IM - FTGD-036 - August 1997
- Phase II RFI Initiation - FTGD-011, 024A, 027A, 032, 032A, 032B - November 1997

1998

- RFA/CMS Initiation - FTGD-039 - March 1998
- RFA/CMS Completion - FTGD-039 - March 1998
- RFA/CMS (OU V) Initiation - FTGD-040, 041, 042, 043 - September 1998
- RFI Completion - FTGD-012H - September 1998
- Phase II RFI (OU II) Completion - FTGD-024, 025, 026, 027, 028 - October 1998
- Phase II RFI (OU I) Completion - FTGD-006, 006A, 009, 010, 020, 020A, 031 – December 1998
- Phase II RFI (OU III) Completion - FTGD-011,024A, 027A, 032, 032A, 032B – December 1998
- Background Summary Report of Fort Gordon Initiated - December 1998

1999

- Background Summary Report of Fort Gordon Completed - February 1999
- LTM Initiation - FTGD-012H - February 1999
- Phase II RFI Initiation - FTGD-014 - April 1999
- Phase II RFI Initiation - FTGD-035 - April 1999
- Phase II RFI Completion - FTGD-014 - September 1999
- Phase II RFI Completion - FTGD-035 - September 1999
- RFA/CMS (OU V) Initiation - FTGD-040, 041, 042, 043 - September 1999
- Phase I RFI Initiation - FTGD-039 - November 1999
- Phase II RFI (OU IV) Initiation - FTGD-021, 036, 038 - December 1999
- Phase II RFI Initiation - FTGD-019 - December 1999

2000

- TRADOC Independent Government Estimate of IRP CTC at Fort Gordon Initiated (Government Employees) - September 2000
- TRADOC Independent Government Estimate of IRP CTC at Fort Gordon Completed (Government Employees) - September 2000
- RFA/CMS (OU V) Completion - FTGD-040, 041, 042, 043 - September 2000
- Supplemental RFI (OU I) Initiation - FTGD-006, 006A, 009, 010, 020, 020A, 031 – December 2000
- Supplemental RFI (OU II) Initiation - FTGD-024, 025, 026, 027, 028 - December 2000
- Supplemental RFI (OU III) Initiation - FTGD-011, 024A, 027A, 032, 032A, 032B – December 2000

2001

- Supplemental RFI (OU IV) Initiation - FTGD-021, 036, 038 - February 2001
- Supplemental RFI Initiation - FTGD-019 - February 2001
- Supplemental RFI Initiation - FTGD-039 - February 2001
- LTM Completion - FTGD-012H - March 2001 (NFA)
- Supplemental RFI (OU V) Initiation - FTGD-040, 041, 042, 043 - August 2001
- RFI Initiation - FTGD-040 - August 2001
- RFI Initiation - FTGD-041 - August 2001
- RFI Initiation - FTGD-042 - August 2001
- RFI Initiation - FTGD-043 - August 2001

2003

- ICM Initiation - FTGD-014 - January 2003
- ICM Initiation - FTGD-031 - January 2003
- ICM Initiation - FTGD-020A - February 2003
- ICM Completion - FTGD-020A - February 2003
- ICM Completion - FTGD-014 - February 2003
- ICM Completion - FTGD-031 - February 2003
- RFI Completion - FTGD-014 - August 2003 (NFA)
- ICM Initiation - FTGD-035 - October 2003

2004

- ICM Completion - FTGD-035 - January 2004
- RFI Completion - FTGD-011 - April 2004 (NFA)
- RFI Completion - FTGD-032A - April 2004 (NFA)
- DES Initiation - FTGD-009 - April 2004
- RFI Completion - FTGD-040 - May 2004 (NFA)
- RFI Completion - FTGD-041 - May 2004 (NFA)
- RFI Completion - FTGD-042 - May 2004 (NFA)
- RFI Completion - FTGD-010 - June 2004 (NFA)
- RFI Completion - FTGD-006 - July 2004 (NFA)
- CMI Initiation - FTGD-009 - July 2004
- CMI(O) Initiation - FTGD-009 - July 2004
- DES Initiation - FTGD-024 - July 2004
- CMI Initiation - FTGD-024 - July 2004
- CMI Initiation - FTGD-025 - July 2004
- CMI Initiation - FTGD-026 - July 2004
- DES Initiation - FTGD-027 - July 2004
- CMI Initiation - FTGD-027 - July 2004
- CMI Initiation - FTGD-028 - July 2004
- RFI Completion - FTGD-020 - November 2004 (NFA)
- RFI Completion - FTGD-025 - October 2004 (NFA)
- RFI Completion - FTGD-031 - October 2004 (NFA)
- RFI Completion - FTGD-032 – November 2004 (NFA)
- RFI Completion - FTGD-020A – December 2004 (NFA)
- RFI Completion - FTGD-032B - December 2004 (NFA)

2005

- RFI Completion - FTGD-021 – July 2005 (NFA)
- RFI Completion - FTGD-039 - March 2005 (NFA)
- RFI Completion - FTGD-036 - July 2005
- RFI Completion - FTGD-038 - September 2005 (NFA)
- RFI Completion - FTGD-043 - February 2005 (NFA)
- RFI Completion - FTGD-024A - November 2005 (NFA)
- RFI Completion - FTGD-035 - October 2005 (NFA)
- RFI Completion – FTGD-028 – July 2005 (NFA)

2006

- RFI Completion - FTGD-006A – April 2006 (NFA)
- RFI Completion - FTGD-009 – May 2006
- DES Completion - FTGD-009 – June 2006
- CMI(C) Completion - FTGD-009 – June 2006
- RFI Completion - FTGD-019 – April 2006
- RFI Completion - FTGD-024 - June 2006 (NFA)
- RFI Completion - FTGD-026 – June 2006
- CMI(C) Completion - FTGD-026 – December 2006
- RFI Completion - FTGD-027 – September 2006
- RD Completion - FTGD-027 – December 2006

2006, continued

- DES Completion - FTGD-027 - December 2006
- RFI Completion - FTGD-027A – April 2006
- IM Initiation – FTGD-036 – May 2006
- IM Completion – FTGD-036 – June 2006

Projected Record of Decision/Decision Document (DD) Approval Dates:

Fort Gordon GFPR DD (FTGD-001) - 2007

Projected Construction Completion Date of IRP: 2007

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of IRP (including LTM phase): 2017 (2037 if LTM is required by GA EPD)

FORT GORDON IRP SCHEDULE

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
FTGD-001	CMI(C)									
FTGD-027	CMI(C)									
	CMI(O)									201712

Prior Years Funds

Total Funding up to FY04: \$19,801.0 K

Year	Site Information	Expenditures	FY Total
FY 05	FTGD-001 – CMI(C)	\$704.3 K	
	FTGD-001 – CMI(C)	\$40.0 K	
	FTGD-043 – RFI	\$1.5 K.....	\$745.8 K

Total Prior Year Funds: \$20,546.8 K

Current Year Requirements

Year	Site Information	Requirements	FY Total
FY 06	FTGD-001 – CMI(C)	\$4,079.0 K....	\$4079.0 K

Total Requirements FY06: \$4,079.0 K

Total Future Requirements: \$4,663.0 K

Total IR Program Cost (from inception to completion of the IRP): \$29,288.8 K

Status of Community Involvement

None at this time.

Determining Interest in Establishing RAB

From information gained from Fort Gordon's Community Relations Plan, there is no community interest in establishing a RAB at this time. Fort Gordon published a Public Involvement Plan for the on-going work under the Installation Restoration Program and published a Public Notice in the Augusta Chronicle, the local area newspaper, soliciting interest in a RAB. This public notice was run for thirty consecutive days in January 2005.

The Fort Gordon Community Relations Plan was updated in September 2004.

Public interest will be resolicited in January 2007.

Potential TAPP Projects

None at this time.